



WEEK ENDING

26th June 2017

Site	Activity report	Current status:								
Ballymena	Moderate risk: 2 <i>Rhopalosiphum padi</i> recorded during this period. Only six aphids in total recorded at this site.									
Ballymoney	Low risk: No aphids recorded during this period.									
Kilkeel	Low risk: Only one unidentified aphid recorded during this period, not of any PVY significance.									
Loughgall	High risk: 67 <i>Cavariella aegopodii</i> (Willow - carrot aphid) recorded at this site. Also large numbers of <i>Tuberculatus annulatus</i> (Common-Oak aphid) continue to be present.									
Rathfriland	Low risk: Only two aphids recorded, 1 <i>Cavariella aegopodii</i> (Willow - carrot aphid) and 1 <i>Acyrtosiphonpisum</i> (Pea Aphid).									
Strabane	Low risk: 6 <i>Cavariella aegopodii</i> (Willow - carrot aphid), 1 <i>Hyperomyzus lactucae</i> and 1 <i>Metopolophium dirhodum</i> were the only aphids of PVY significance recorded at this site.									
Key	<table border="1"> <tr> <td>LOW RISK</td> <td>Low virus vector activity, no action required</td> </tr> <tr> <td>MODERATE RISK</td> <td>Increased vigilance and monitoring of aphid populations required</td> </tr> <tr> <td>HIGH RISK</td> <td>Severe risk of PVY transmission by aphids</td> </tr> <tr> <td>NO SAMPLE</td> <td>No sample received for this location</td> </tr> </table>	LOW RISK	Low virus vector activity, no action required	MODERATE RISK	Increased vigilance and monitoring of aphid populations required	HIGH RISK	Severe risk of PVY transmission by aphids	NO SAMPLE	No sample received for this location	
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MODERATE RISK	Increased vigilance and monitoring of aphid populations required									
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NO SAMPLE	No sample received for this location									

Ballymena

Week ending:

Aphid Species	Common Name	PVY Index	29-May	05-Jun	12-Jun	19-Jun	26-Jun	03-Jul	10-Jul	17-Jul
<i>Cavariella aegopodii</i>	Willow-carrot Aphid	0.50			3	1.50		2	1.00	
<i>Rhopalosiphum padi</i>	Bird Cherry-Oat Aphid	0.40			1	0.40				
<i>Sitobion avenae</i>	Grain Aphid	0.60			1	0.60				
<i>Myzus persicae</i>	Peach-potato Aphid	1.00					1	1.00		
<i>Cavariella pastinacea</i>		0.00								
<i>Acyrtosiphon pisum</i>	Pea Aphid	0.70								
<i>Brachycaudus helichrysi</i>	Leaf-Curling Plum Aphid	0.21								
<i>Microlophium evansi</i>		0.00				1	0.00			
<i>Hyperomyzus lactucae</i>	Currant-sowthistle Aphid	0.16			1	0.16				
<i>Macrosiphum euphorbiae</i>	Potato Aphid	0.20			1	0.20	2	0.40		
<i>Drepanosiphum platanoides</i>	Sycamore Aphid	0.00			1	0.00				
<i>Sitobion fragariae</i>	Blackberry-cereal Aphid	0.00								
<i>Metopolophium dirhodum</i>	Rose-Grain Aphid	0.30			1	0.30		1	0.30	
<i>Aphis fabae</i>	Black-bean Aphid	0.10								
<i>Aphis rumicus</i>		0.00			2	0.00				
<i>Brevicoryne brassicae</i>	Cabbage Aphid	0.01			1	0.01				
<i>Capitophorus horni</i>		0.00								
<i>Capitophorus similis</i>		0.00								
<i>Phyllaphis fagi</i>		0.00								
<i>Chaitophorus populeti</i>		0.00								
<i>Rhopalosiphoninus staphyleae</i>		0.00								
<i>Cavariella theobaldi</i>		0.00			1	0.00				
<i>Euceraphis punctipennis</i>		0.00								
<i>Tuberculatus borealis</i>		0.00								
<i>Uromelan</i> spp.		0.00								
<i>Hyadaphis foeniculi</i>		0.00								
<i>Ovatus insitus</i>		0.00								
Others		0.00			3	0.00		2	0.00	
Weekly Index			0.00	0.00	3.17	0.40	2.30	0.00	0.00	0.00
Cumulative Index			0.00	0.00	3.17	3.57	5.87	5.87	5.87	5.87

Kilkeel

Week ending:

Aphid Species	Common Name	PVY Index	29-May		05-Jun		12-Jun		19-Jun		26-Jun		03-Jul		10-Jul		17-Jul	
<i>Cavariella aegopodii</i>	Willow-carrot Aphid	0.50	2	1.00	2	1.00												
<i>Rhopalosiphum padi</i>	Bird Cherry-Oat Aphid	0.40	1	0.40			2	0.80										
<i>Sitobion avenae</i>	Grain Aphid	0.60																
<i>Myzus persicae</i>	Peach-potato Aphid	1.00	1	1.00	2	2.00			7	7.00								
<i>Cavariella pastinacea</i>		0.00			2	0.00												
<i>Acyrtosiphon pisum</i>	Pea Aphid	0.70							1	0.70								
<i>Brachycaudus helichrysi</i>	Leaf-Curling Plum Aphid	0.21	2	0.42														
<i>Microlophium evansi</i>		0.00																
<i>Hyperomyzus lactucae</i>	Currant-sowthistle Aphid	0.16																
<i>Macrosiphum euphorbiae</i>	Potato Aphid	0.20					1	0.20										
<i>Drepanosiphum platanoides</i>	Sycamore Aphid	0.00																
<i>Sitobion fragariae</i>	Blackberry-cereal Aphid	0.00																
<i>Metopolophium dirhodum</i>	Rose-Grain Aphid	0.30																
<i>Aphis fabae</i>	Black-bean Aphid	0.10																
<i>Capitophorus similis</i>		0.00																
<i>Aphis rumicus</i>		0.00							3	0.00								
<i>Brevicoryne brassicae</i>	Cabbage Aphid	0.01							4	0.04								
<i>Hyadahis foeniculi</i>		0.00																
<i>Rhopalomyzus poae</i>		0.00																
<i>Uromelan</i> spp.		0.00																
<i>Acyrtosiphon primulae</i>		0.00																
<i>Rhopalosiphoninus staphyleae</i>		0.00																
<i>Hyalopterus pruni</i>		0.00																
<i>Tetraneura ulmi</i>		0.00																
<i>Anoecia</i> spp.		0.00																
Others		0.00			4	0.00	4	0.00			1	0.00						
Weekly Index				2.82		3.00		1.00		7.74		0.00		0.00		0.00		0.00
Cumulative Index				2.82		5.82		6.82		14.56		14.56		14.56		14.56		14.56

Loughgall

Week ending:

Aphid Species	Common Name	PVY Index	29-May	05-Jun	12-Jun	19-Jun	26-Jun	03-Jul	10-Jul	17-Jul
<i>Cavariella aegopodii</i>	Willow-carrot Aphid	0.50			1	0.50	11	5.50	67	33.50
<i>Rhopalosiphum padi</i>	Bird Cherry-Oat Aphid	0.40			4	1.60				
<i>Sitobion avenae</i>	Grain Aphid	0.60								
<i>Myzus persicae</i>	Peach-potato Aphid	1.00								
<i>Cavariella pastinacea</i>		0.00			3	0.00				
<i>Acyrtosiphon pisum</i>	Pea Aphid	0.70								
<i>Brachycaudus helichrysi</i>	Leaf-Curling Plum Aphid	0.21								
<i>Microlophium evansi</i>		0.00			1	0.00				
<i>Hyperomyzus lactucae</i>	Currant-sowthistle Aphid	0.16			1	0.16				
<i>Macrosiphum euphorbiae</i>	Potato Aphid	0.20			18	3.60				
<i>Drepanosiphum platanoides</i>	Sycamore Aphid	0.00			1	0.00				
<i>Sitobion fragariae</i>	Blackberry-cereal Aphid	0.00								
<i>Metopolophium dirhodum</i>	Rose-Grain Aphid	0.30								
<i>Aphis fabae</i>	Black-bean Aphid	0.10								
<i>Capitophorus similis</i>		0.00				1	0.00			
<i>Aphis rumicus</i>		0.00			5	0.00	30	0.00		
<i>Brevicoryne brassicae</i>	Cabbage Aphid	0.01						1	0.01	
<i>Cavariella theobaldi</i>		0.00				4	0.00			
<i>Tuberculatus annulatus</i>	Common-Oak Aphid	0.00				29	0.00	13	0.00	
<i>Amphorophora rubi</i>	Large Blackberry Aphid	0.00				14	0.00			
Others		0.00			9	0.00	2	0.00	35	0.00
Weekly Index			0.00	0.00	5.86	5.50	33.51	0.00	0.00	0.00
Cumulative Index			0.00	0.00	5.86	11.36	44.87	44.87	44.87	44.87

Rathfriland

Week ending:

Aphid Species	Common Name	PVY Index	29-May	05-Jun	12-Jun	19-Jun	26-Jun	03-Jul	10-Jul	17-Jul
<i>Cavariella aegopodii</i>	Willow-carrot Aphid	0.50		6 3.00	3 1.50		1 0.50			
<i>Rhopalosiphum padi</i>	Bird Cherry-Oat Aphid	0.40		3 1.20	4 1.60					
<i>Sitobion avenae</i>	Grain Aphid	0.60								
<i>Myzus persicae</i>	Peach-potato Aphid	1.00		3 3.00		1 1.00				
<i>Cavariella pastinacea</i>		0.00								
<i>Acyrtosiphon pisum</i>	Pea Aphid	0.70					1 0.70			
<i>Brachycaudus helichrysi</i>	Leaf-Curling Plum Aphid	0.21			1 0.21					
<i>Microlophium evansi</i>		0.00			1 0.00					
<i>Hyperomyzus lactucae</i>	Currant-sowthistle Aphid	0.16			1 0.16					
<i>Macrosiphum euphorbiae</i>	Potato Aphid	0.20		2 0.40	1 0.20					
<i>Drepanosiphum platanoides</i>	Sycamore Aphid	0.00								
<i>Sitobion fragariae</i>	Blackberry-cereal Aphid	0.00				1 0.00				
<i>Metopolophium dirhodum</i>	Rose-Grain Aphid	0.30		9 2.70	1 0.30	1 0.30				
<i>Aphis fabae</i>	Black-bean Aphid	0.10								
<i>Aphis rumicis</i>		0.00				1 0.00				
<i>Brevicoryne brassicae</i>	Cabbage Aphid	0.01				1 0.01				
<i>Myzus ornatus</i>		0.00								
<i>Macrosiphum rosae</i>		0.00								
<i>Cavariella theobaldi</i>		0.00								
<i>Hyadaphis foeniculi</i>		0.00								
<i>Sipha glyceriae</i>		0.00								
<i>Pemphigus spp.</i>										
Others		0.00		23 0.00	4 0.00					
Weekly Index			0.00	10.30	3.97	1.31	1.20	0.00	0.00	0.00
Cumulative Index			0.00	10.30	14.27	15.58	16.78	16.78	16.78	16.78

Strabane

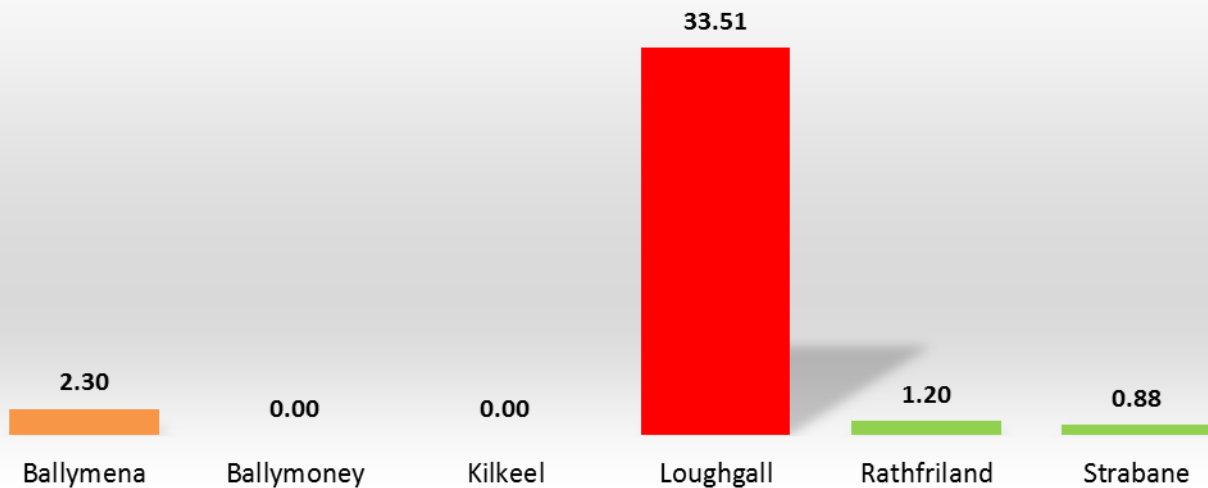
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Aphid Species	Common Name	PVY Index	29-May	05-Jun	12-Jun	19-Jun	26-Jun	03-Jul	10-Jul	17-Jul
<i>Cavariella aegopodii</i>	Willow-carrot Aphid	0.50			4	2.00				
<i>Rhopalosiphum padi</i>	Bird Cherry-Oat Aphid	0.40								
<i>Sitobion avenae</i>	Grain Aphid	0.60			2	1.20				
<i>Myzus persicae</i>	Peach-potato Aphid	1.00								
<i>Cavariella pastinacea</i>		0.00			1	0.00				
<i>Acyrtosiphon pisum</i>	Pea Aphid	0.70					6	0.42		
<i>Brachycaudus helichrysi</i>	Leaf-Curling Plum Aphid	0.21			1	0.21				
<i>Microlophium evansi</i>		0.00			23	0.00	15	0.00		
<i>Hyperomyzus lactucae</i>	Currant-sowthistle Aphid	0.16					1	0.16		
<i>Macrosiphum euphorbiae</i>	Potato Aphid	0.20			4	0.80				
<i>Drepanosiphum platanoides</i>	Sycamore Aphid	0.00								
<i>Sitobion fragariae</i>	Blackberry-cereal Aphid	0.00								
<i>Metopolophium dirhodum</i>	Rose-Grain Aphid	0.30					1	0.30		
<i>Aphis fabae</i>	Black-bean Aphid	0.10								
<i>Aphis rumicus</i>		0.00								
<i>Brevicoryne brassicae</i>	Cabbage Aphid	0.01								
<i>Phyllaphis fagi</i>		0.00								
<i>Cavariella theobaldi</i>		0.00								
<i>Megoura viciae</i>		0.00								
<i>Ovatus insitus</i>		0.00			7	0.00				
<i>Amphorophora rubi</i>	Large Blackberry Aphid	0.00				25	0.00			
<i>Uromelan</i> spp.		0.00				1	0.00			
<i>Acyrtosiphon primulae</i>		0.00				1	0.00			
Others		0.00			5	0.00	3	0.00	28	0.00
Weekly Index			0.00	0.00	4.21	0.00	0.88	0.00	0.00	0.00
Cumulative Index			0.00	0.00	4.21	4.21	5.09	5.09	5.09	5.09

Summary for the seven days up to and including 26/06/17

Region	Samples	Mean PVY Index per Sample	Mean Colonising Aphids per Sample	Mean Aphids per Sample	Total Aphids Species
Northern Ireland	6	6.315	1.67	27	7
North Scotland	10	3.08	3.6	20.8	17
Grampian	16	2.11	2.31	4.25	17
Angus & Perthshire	9	3.8	3.56	5.56	14
Borders	2	0.9	1	3.5	6
Northern England	12	41.2	35.75	82.42	26
Midlands	6	97.64	93.33	148.33	28
East Anglia	10	4.7	2.4	22.1	21
South-West	8	8.81	4.5	41	23
TOTAL	79	18.728	16.458	39.44	48

NI PVY Index 26/06/17



NI Cumulative PVY Index 2017

